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City of Hiawatha

Engineering Department

101 Emmons St., Hiawatha Iowa, 52233-1697
PHONE (319) 393-1515 ext. 511 FAX (319) 393-1516

To: **Mayor and City Council** **Date:** **August 8, 2017**

From: John Bender PE, City Engineer

Re: **Emmons Street/North Center Point Road/Robins Intersection Phase II Paving Package**

Description: **Approval of Pay Application No. 9**

Report:

See attached partial payment No.9 to Rathje Construction from Marion for the Emmons Street/North Center Point Road/Robins Intersection Phase II Paving Package. This payment is for work completed through July and shows the contractor has constructed the entire intersection. Emmons Street and Robins Road are open at the new intersection. The east one-half of Center Point Road is now paved as well.

This payment shows the contractor is approximately 71% with the project.

Recommendation:

Engineering recommends approval of Partial Payment No. 9 to Rathje Construction in the amount of $_$143,098.97___.

If you need any further information, please let me know.

APPLICATION FOR PAYMENT
APPLICATION NO. 9

Project: EMMONS STREET / NORTH CENTER POINT ROAD / ROBINS ROAD INTERSECTION IMPROVEMENTS, PHASE 2 - ROADWAY PACKAGE
HIAWATHA, LINN COUNTY , IOWA

Contractor: RATHJE CONSTRUCTION
305 4th Street
Marion, IA 52302

Owner: City of Hiawatha, Iowa

Original Contract Amount: $2,813,734.76

Revised Contract Amount: $2,819,526.26

Date: August 9, 2017

The Contractor noted above, in accordance with the provisions of the contract documents, hereby requests approval of this application for payment on the following estimates of contract work completed:

Original Contract Work Completed		$ 1,983,297.35
Materials Stored On Site		$0.00

Change Orders:

Change Order No.	Date Approved	Amount
1	July 19, 2017	$ 13,101.50
2	July 19, 2017	$ (7,310.00)
Total Change In Contract Amount from Change Orders		$ 5,791.50

Total Change Order Work Completed		$ 5,791.50
Total Complete and Stored to Date		$ 1,989,088.85
Retainage	5%	$ 99,454.44
Total Complete and Stored to Date Less Retainage		$ 1,889,634.41
Less Previous Payments		$ 1,746,535.44
Current Payment Due		$ 143,098.97

Distribution: Owner _____ Engineer _____ Contractor _____ Other _____

CONTRACTOR'S CERTIFICATION:

The undersigned Contractor certifies, to the best of the Contractor's knowledge, that the above information and estimated values of completed work covered on this Application for Payment have been completed in accordance with the provisions of the Contract Documents, that all amounts have been paid by the Contractor for work for which previous Applications for Payment have been made and payments received from the Owner, and that the current payment billing requested is now due.

Contractor's Authorized Representative:

By: Mary L Raehje, Sec Date: 8-10-17

ENGINEER'S/ARCHITECT'S RECOMMENDATION:

In accordance with the provisions of the Contract Documents and based on the Engineer's/Architect's on-site observations of the work included in this Application for Payment and based on the Engineer's/Architect's review of this Application for Payment including the accompanying supporting data, and to the best of the Engineer's knowledge, information and belief, the work included in this Application for Payment is completed substantially in conformance with the Contract Documents and payment by the Owner is hereby recommended.

Engineer's/Architect's Authorized Representative:

By: _____ Date: _____

CITY OF HIAWATHA PAYMENT RECOMMENDATION:

Payment to the Contractor is hereby recommended based on the Application for Payment submitted by the Contractor and the Engineer's/Architect's recommendation.

City of Hiawatha Authorized Representative:

By: _____ Date: _____

ATTACHMENTS REQUIRED:

1. Line Item Schedule of Contract Values Summary, Amounts Completed This Period, and Amounts Completed To Date. Recommend use of AIA Document G703.
2. Line Item Schedule of Contract Materials Stored and Values (if applicable).

ACCOUNTING USE ONLY:

_____-_____-_____ $_____
_____-_____-_____ $_____
_____-_____-_____ $_____
_____-_____-_____ $_____
_____-_____-_____ $_____
_____-_____-_____ $_____

APPLICATION FOR PAYMENT
APPLICATION NO 9

Project: EMMONS STREET / NORTH CENTER POINT ROAD / ROBINS ROAD INTERSECTION INTERSECTION IMPROVEMENTS, PHASE 2 - ROADWAY PACKAGE
HIAWATHA, LINN COUNTY, IOWA
Contractor: Rathje Construction
Engineer: Shive Hattery INC
Revised Contract Amount: $2,813,734.76
Date: August 7, 2017

Item	Item Description	Units	Bid Quantities	Bid Prices		Pay Applications through PA 8 June 2017		This Period PA 9 - July 2017		To Date		
				Unit Price	Total	Quantity	Amount	Quantity	Amount	Quantity	Amount	% Complete
1	MOBILIZATION	LS	1.00	$243,000.00	$243,000.00	0.50	$121,500.00	0.10	$24,300.00	0.60	$145,800.00	60.00%
2	CONSTRUCTION SURVEY	LS	1.00	$19,550.00	$19,550.00	0.50	$9,775.00	0.05	$977.50	0.55	$10,752.50	55.00%
3	TRENCH COMPACTION TESTING	LS	1.00	$1,200.00	$1,200.00	0.45	$540.00	0.05	$60.00	0.50	$600.00	50.00%
4	SUBGRADE AND SUBBASE COMPACTION TESTING	LS	1.00	$2,850.00	$2,850.00	0.45	$1,282.50	0.10	$285.00	0.55	$1,567.50	55.00%
5	CONCRETE MATURITY TESTING FOR PCC PAVEMENT	LS	1.00	$1,100.00	$1,100.00	0.30	$330.00	0.00	$0.00	0.30	$330.00	30.00%
6	TRAFFIC CONTROL	LS	1.00	$19,750.00	$19,750.00	0.68	$13,430.00	0.10	$1,975.00	0.78	$15,405.00	78.00%
7	TEMPORARY PAVEMENT MARKINGS AND SYMBOLS	LS	1.00	$9,500.00	$9,500.00	0.65	$6,175.00	0.10	$950.00	0.75	$7,125.00	75.00%
8	TEMPORARY ROADWAY SURFACES	SY	1,884.00	$41.50	$78,186.00	1611.55	$66,879.33	0.00	$0.00	1,611.55	$66,879.33	85.54%
9	FILTER SOCKS	LF	2,566.00	$2.50	$6,415.00	2708.00	$6,770.00	0.00	$0.00	2,708.00	$6,770.00	105.53%
10	FILTER SOCKS AT STORM SEWER STRUCTURES	EA	32.00	$100.00	$3,200.00	6.00	$600.00	0.00	$0.00	6.00	$600.00	18.75%
11	CLEARING AND GRUBBING	LS	1.00	$4,200.00	$4,200.00	0.10	$420.00	0.00	$0.00	0.10	$420.00	10.00%
12	REMOVAL OF EXIST PAVT. & CURB AND GUTTER	SY	15,697.00	$7.40	$116,157.80	10976.99	$81,229.73	2247.74	$16,633.28	13,224.73	$97,863.00	84.25%
13	REMOVAL OF EXISTING SIDEWALK	SY	1,692.00	$8.50	$14,382.00	1237.55	$10,519.18	102.67	$872.70	1,340.22	$11,391.87	79.21%
14	REMOVAL OF EXISTING RETAINING WALL	LF	92.00	$14.00	$1,288.00	92.00	$1,288.00	0.00	$0.00	92.00	$1,288.00	100.00%
15	REMOVAL OF EXIST. STORM SEWERS STRUCTURES	EA	18.00	$250.00	$4,500.00	8.00	$2,000.00	0.00	$0.00	8.00	$2,000.00	44.44%
16	REMOVAL OF STORM SEWER AND CULVERT PIPE	LF	1,389.00	$10.00	$13,890.00	285.00	$2,850.00	0.00	$0.00	285.00	$2,850.00	20.52%
17	REMOVAL OF SANITARY SEWER STRUCTURES	EA	1.00	$450.00	$450.00	0.00	$0.00	0.00	$0.00	0.00	$0.00	0.00%
18	REMOVAL OF SANITARY SEWER PIPE	LF	411.00	$10.00	$4,110.00	0.00	$0.00	0.00	$0.00	0.00	$0.00	0.00%
19	REMOVAL OF EXISTING WATER MAIN	LF	625.00	$10.00	$6,250.00	0.00	$0.00	0.00	$0.00	0.00	$0.00	0.00%
20	REMOVAL OF EXISTING PAVEMENT MARKINGS	LS	1.00	$3,800.00	$3,800.00	0.50	$1,900.00	0.00	$0.00	0.50	$1,900.00	50.00%
21	REMOVAL OF TRAFFIC CONTROL SIGNS	EA	20.00	$65.00	$1,300.00	0.00	$0.00	0.00	$0.00	0.00	$0.00	0.00%
22	REMOVAL OF TRAFFIC SIGNAL	LS	1.00	$3,000.00	$3,000.00	1.00	$3,000.00	0.00	$0.00	1.00	$3,000.00	100.00%
23	UNCLASSIFIED EXCAVATION AND EMBANKMENT	CY	4,288.00	$15.75	$67,504.50	3288.19	$51,788.99	0.04	$0.63	3,288.23	$51,789.62	76.72%
24	STRIP AND RESPREAD TOPSOIL	CY	525.00	$33.00	$17,325.00	387.70	$12,794.10	0.00	$0.00	387.70	$12,794.10	73.85%
25	SUBGRADE STABILIZATION WITH CRUSHED ROCK M/	CY	750.00	$42.50	$31,875.00	191.16	$8,124.30	0.00	$0.00	191.16	$8,124.30	25.49%
26	GEOGRID	SY	13,148.00	$1.50	$19,722.00	8147.96	$12,221.94	0.00	$0.00	8,147.96	$12,221.94	61.97%
27	MODIFIED SUBBASE, 8"	SY	13,148.00	$8.50	$111,758.00	8039.88	$68,338.98	0.00	$0.00	8,039.88	$68,338.98	61.15%
28	MODIFIED SUBBASE, 6"	SY	2,147.00	$8.50	$18,249.50	1138.76	$9,679.46	0.00	$0.00	1,138.76	$9,679.46	53.04%
29	MODIFIED SUBBASE, 4"	SY	2,176.00	$5.75	$12,512.00	1674.28	$9,627.11	227.11	$1,305.88	1,901.39	$10,932.99	87.38%
30	STORM SEWER, HDPE, 12"	LF	132.00	$27.75	$3,663.00	61.00	$1,692.75	72.00	$1,998.00	133.00	$3,690.75	100.76%
31	STORM SEWER, RCP, 15"	LF	1,163.00	$56.25	$65,418.75	382.50	$21,515.63	0.00	$0.00	382.50	$21,515.63	32.89%
32	STORM SEWER, RCP, 18"	LF	410.00	$49.00	$20,090.00	397.00	$19,453.00	167.00	$8,183.00	564.00	$27,636.00	137.56%
33	STORM SEWER, RCP, 24"	LF	271.00	$75.00	$20,325.00	260.00	$19,500.00	0.00	$0.00	260.00	$19,500.00	95.94%
34	STORM SEWER, RCP, 30"	LF	75.00	$90.00	$6,750.00	75.00	$6,750.00	0.00	$0.00	75.00	$6,750.00	100.00%
35	SUBDRAIN, 6"	LF	3,369.00	$13.00	$43,797.00	2143.00	$27,859.00	0.00	$0.00	2,143.00	$27,859.00	63.61%
36	SUBDRAIN CLEANOUT	EA	9.00	$1,125.00	$10,125.00	4.00	$4,500.00	0.00	$0.00	4.00	$4,500.00	44.44%
37	STORM SEWER MANHOLES, SW-401, 48"	EA	4.00	$2,125.00	$8,500.00	2.00	$4,250.00	0.00	$0.00	2.00	$4,250.00	50.00%
38	STORM SEWER MANHOLES, SW-401, 60"	EA	2.00	$3,100.00	$6,200.00	1.00	$3,100.00	0.00	$0.00	1.00	$3,100.00	50.00%
39	STORM SEWER MANHOLES, SW-401, 84"	EA	1.00	$4,675.00	$4,675.00	1.00	$4,675.00	0.00	$0.00	1.00	$4,675.00	100.00%
40	STORM SEWER INTAKE, SW-501	EA	1.00	$2,375.00	$2,375.00	1.00	$2,375.00	0.00	$0.00	1.00	$2,375.00	100.00%
41	STORM SEWER INTAKE, SW-505	EA	1.00	$3,500.00	$3,500.00	0.00	$0.00	0.00	$0.00	0.00	$0.00	0.00%
42	STORM SEWER INTAKE, SW-508	EA	7.00	$3,000.00	$21,000.00	2.00	$6,000.00	0.00	$0.00	2.00	$6,000.00	28.57%
43	STORM SEWER INTAKE, SW-510	EA	3.00	$3,700.00	$11,100.00	3.00	$11,100.00	0.00	$0.00	3.00	$11,100.00	100.00%
44	STORM SEWER INTAKE, SW-512	EA	1.00	$1,100.00	$1,100.00	0.00	$0.00	0.00	$0.00	0.00	$0.00	0.00%
45	STORM SEWER INTAKE, SW-541	EA	1.00	$4,900.00	$4,900.00	1.00	$4,900.00	0.00	$0.00	1.00	$4,900.00	100.00%
46	CONNECTION TO STORM SEWER STRUCTURES	EA	4.00	$500.00	$2,000.00	0.00	$0.00	0.00	$0.00	0.00	$0.00	0.00%
47	ADJUSTMENT OF EXISTING STRUCTURES	EA	6.00	$225.00	$1,350.00	3.00	$675.00	0.00	$0.00	3.00	$675.00	50.00%
48	VALVE BOX ADJUSTMENT	EA	23.00	$225.00	$5,175.00	7.00	$1,575.00	0.00	$0.00	7.00	$1,575.00	30.43%
49	PCC PAVEMENT, CLASS C, 7"	SY	418.00	$47.45	$19,834.10	379.60	$18,012.02	0.00	$0.00	379.60	$18,012.02	90.81%
50	PCC PAVEMENT, CLASS C 8"	SY	4,850.00	$43.04	$208,744.00	2110.06	$90,816.98	0.00	$0.00	2,110.06	$90,816.98	43.51%
51	PCC PAVEMENT, CLASS C 9"	SY	6,228.00	$46.40	$288,915.20	3976.75	$192,474.70	0.00	$0.00	3,976.75	$192,474.70	67.06%
52	PCC DRIVEWAY, CLASS M, 6"	SY	1,752.00	$34.07	$61,297.44	359.40	$12,568.22	0.00	$0.00	359.40	$12,568.22	20.51%
53	PCC SIDEWALK, 4"	SY	994.00	$33.00	$32,802.00	428.81	$14,150.73	0.00	$0.00	428.81	$14,150.73	43.14%
54	PCC TRAIL, 6"	SY	2,176.00	$35.75	$77,792.00	1697.73	$60,693.85	12.80	$457.60	1,710.53	$61,151.45	78.61%
55	PCC SIDEWALK RAMP	SY	32.00	$54.66	$1,749.12	29.10	$1,590.61	0.00	$0.00	29.10	$1,590.61	90.94%
56	COLORED CROSSWALK PAVEMENT, CLASS C 9"	SY	271.00	$98.00	$26,558.00	190.14	$18,633.72	54.48	$5,339.04	244.62	$23,972.76	90.27%
57	COLORED SIDEWALK PAVEMENT, 6"	SY	501.00	$75.00	$37,575.00	225.06	$16,879.50	227.11	$17,033.25	452.17	$33,912.75	90.25%
58	COLORED INTERSECTION PAVEMENT, CLASS C, 9"	SY	687.00	$110.00	$75,570.00	303.07	$33,337.70	313.88	$34,526.80	616.95	$67,864.50	89.80%
59	HMA DRIVEWAY, 6"	SY	343.00	$48.00	$16,464.00	339.70	$16,305.60	0.00	$0.00	339.70	$16,305.60	99.04%
60	PAVEMENT MARKINGS, PAINTED	STA	125.00	$60.00	$7,500.00	0.00	$0.00	5.81	$348.60	5.81	$348.60	4.65%
61	PAVEMENT SYMBOLS, PAINTED	EA	23.00	$80.00	$1,840.00	0.00	$0.00	1.00	$80.00	1.00	$80.00	4.35%
62	HYDROSEEDING WITH LIQUID MULCH BINDER	SY	6,255.00	$1.00	$6,255.00	0.00	$0.00	4068.07	$4,068.07	4,068.07	$4,068.07	65.04%
63	IMPORTED TOPSOIL	CY	800.00	$48.20	$38,560.00	275.31	$12,719.32	61.80	$2,855.16	337.11	$15,574.48	42.14%
64	SODDING	SY	4,333.00	$7.00	$30,331.00	957.10	$6,699.70	70.18	$491.26	1,027.28	$7,190.96	23.71%
65	ROCK MULCH	SY	922.00	$9.00	$8,298.00	467.60	$4,208.40	0.00	$0.00	467.60	$4,208.40	50.72%
66	TREE PLANTING, PER PLANS	EA	41.00	$450.00	$18,450.00	20.00	$9,000.00	0.00	$0.00	20.00	$9,000.00	48.78%
67	SHRUB & GRASS PLANTING, PER PLANS	EA	1,539.00	$15.15	$23,315.85	598.00	$9,059.70	0.00	$0.00	598.00	$9,059.70	38.86%
68	LANDSCAPE IRRIGATION	LS	1.00	$64,400.00	$64,400.00	0.51	$32,844.00	0.00	$0.00	0.51	$32,844.00	51.00%
69	LIGHTED BOLLARD	EA	16.00	$567.10	$9,073.60	8.00	$4,536.80	8.00	$4,536.80	16.00	$9,073.60	100.00%
70	STREET LIGHTING SYSTEM	LS	1.00	$413,586.60	$413,586.60	0.90	$372,227.94	0.05	$20,679.33	0.95	$392,907.27	95.00%
71	TRAFFIC SIGNAL, PER PLAN	LS	1.00	$267,358.10	$267,358.10	0.98	$262,010.94	0.01	$2,673.58	0.99	$264,684.52	99.00%
72	PAVER EDGING	LF	362.00	$5.60	$2,027.20	162.94	$912.46	0.00	$0.00	162.94	$912.46	45.01%
	COMPUTED TOTAL BID (ITEMS 1 THROUGH 72) =			$2,813,734.76		$1,832,666.87		$150,630.47		$1,983,297.35		70.49%

MATERIALS STORED ON SITE

ITEM	DESCRIPTION	UNITS	QUANTITY			Per Cent Stored	TOTAL
69	Lighted Bollards Materials	1	$21,631.20			0.00%	$0.00
70	Street Light Lanterns	1	$331,197.74			0.00%	$0.00
70	Street Light Pre-Cast Bases	1	$2,688.00			0.00%	$0.00
71	Electrical Equipment for Traffic Signals	1	$1,371.60			0.00%	$0.00
71	Electrical Equipment for Traffic Signals	1	$9,845.00			0.00%	$0.00
						TOTAL MATERIALS STORED ON SITE	$0.00

CHANGE ORDERS

NO.	Description	Unit	Total Quantity	Unit Price	Total			This Period		To Date		
								Quantity	Amount	Quantity	Amount	% Complete
1	1.1 Increase Item #63	LS	1	$22,639.16	22,639.16			1	22,639.16	1	22,639.16	100.00%
1	1.2 Increase Item #70	LS	1	$10,540.00	10,540.00			1	10,540.00	1	10,540.00	100.00%
1	1.3 Decrease Item #70	LS	1	$20,077.66	$20,077.66			1	20,077.66	1	20,077.66	100.00%
2	1.4 Decrease Item #68	LS	1	$7,310.00	7,310.00			1	7,310.00	1	7,310.00	100.00%
					$5,791.50			0.00		0.00		100.00%
	CHANGE ORDER NO.	TOTALS		$5,791.50				$0.00		$5,791.50		

REVISED CONTRACT TOTAL AFTER ALL C.O. (IF ANY)	$2,819,526.26

$1,983,297.35	ORIGINAL CONTRACT WORK COMPLETED
$0.00	MATERIALS STORED ON SITE
$5,791.50	TOTAL CHANGE ORDER WORK COMPLETED
$1,989,088.85	TOTAL
5.00% $99,454.44	RETAINAGE
$1,889,634.41	TOTAL LESS RETAINAGE
$1,746,535.44	LESS PREVIOUS PAYMENTS
$143,098.97	CURRENT PAYMENT DUE

DRAFT

RESOLUTION NO. 17-
City Council

RESOLUTION APPROVING PARTIAL PAY ESTIMATE #9
2016-2017 Emmons Street/North Center Point Road/Robins Road Intersection
Improvements Phase 2 Roadway Package Project
(Project #2151330)

WHEREAS, the City Council of the City of Hiawatha, Iowa, has contracted for the 2016-2017 Emmons Street/North Center Point Road/Robins Road Intersection Improvements Phase 2 Roadway Package Project with Rathje Construction Co., of Marion, Iowa, and

WHEREAS, application for Partial Pay Estimate #9 (nine) in the amount of $143,098.97 has been received in the Clerk's Office, and

WHEREAS, the City of Hiawatha has received recommendation from the City Engineer to make payment, and

NOW, THEREFORE BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF HIAWATHA, IOWA to approve application for Partial Pay Estimate #9 for the 2016-2017 Emmons Street/North Center Point Road/Robins Road Intersection Improvements Phase 2 Roadway Package Project, and direct City Clerk to make payment to Rathje Construction Co., of Marion, Iowa, in the amount of $143,098.97.

AYES:
NAYS:
ABSENT:

PASSED AND APPROVED this 16th day of August, 2017.

_____
Bill Bennett, Mayor

ATTEST:

_____
Kelly Kornegor, City Clerk